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Dated: September 22, 2006

Signature:

(Mary Jane DiPalma)

Docket No.: ALXN-P01-102  
(PATENT)

1fw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:  
Yi Wang

Application No.: 10/655,861

Confirmation No.: 7250

Filed: September 5, 2003

Art Unit: 1644

For: METHOD OF TREATMENT OF ASTHMA  
USING ANTIBODIES TO COMPLEMENT  
COMPONENT C5

Examiner: Vandervegt, Francois P.

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant submits herewith copies of non-patent literature in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. ALXN-P01-102.

Dated: September 22, 2006

Respectfully submitted,

By \_\_\_\_\_

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	ALXN-P01-102
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**Complete if Known**

Application Number	10/655,861
Filing Date	September 5, 2003
First Named Inventor	Yi Wang
Art Unit	1644
Examiner Name	Vandervegt, Francois P.

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CD	Abrahamsen et al., "Differential Mediator Release from Basophils of Allergic and Non-allergic Asthmatic Patients after Stimulation with Anti-IgE and C5a," Clinical and Experimental Allergy 31:368-378 (2001)	
	CE	Akatsu et al., "Distribution of Rat C5a Anaphylatoxin Receptor," Microbiol. Immunol. 46(12):863-874 (2002)	
	CF	Bjornson et al., "Complement is Activated in the Upper Respiratory Tract During Influenza Virus Infection," Am. Rev. Respir. Dis. 143:1062-1066 (1991)	
	CG	Blease et al., "Chemokines and Their Role in Airway Hyper-reactivity," Respir. Res. 1:54-61 (2000)	
	CH	Boulet et al., "Airway Hyperresponsiveness, Inflammation, and Subepithelial Collagen Deposition in Recently Diagnosed vs. Long-standing Mild Asthma," American Journal of Respiratory and Critical Care Medicine 162:1308-1313 (2000)	
	CI	Chakir et al., "Airway Remodeling-associated Mediators in Moderate to Severe Asthma: Effect of Steroids on TGF- $\beta$ , IL-11, IL-17, and Type I and Type III Collagen Expression," J. Allergy Clin. Immunol. 111:1293-1298 (2003)	
	CJ	Chenoweth et al., "Demonstration of Specific C5a Receptor on Intact Human Polymorphonuclear Leukocytes," Proc. Natl. Acad. Sci. USA 75(8):3943-3947 (1978)	
	CK	Chung, "Cytokines in Chronic Obstructive Pulmonary Disease," Eur. Respir. J. 18(34):50s-59s (2001)	
	CL	Cieslewicz et al., "The Late, but not Early, Asthmatic Response is Dependent on IL-5 and Correlates with Eosinophil Infiltration," J. Clin. Invest. 104:301-308 (1999)	
	CM	Collard et al., "Complement Activation Following Oxidative Stress," Molecular Immunology 36:941-948 (1999)	
	CN	Czermak et al., "Complement, Cytokines, and Adhesion Molecule Expression in Inflammatory Reactions," Proceedings of the Association of American Physicians 110(5):306-312 (1998)	
	CO	Desai et al., "Demonstration of C5 Cleaving Activity in Bronchoalveolar Fluids and Cells: A Mechanism of Acute and Chronic Alveolitis," Journal of Experimental Pathology 1(3):201-216 (1984)	
	CP	Drouin et al., "Expression of the Complement Anaphylatoxin C3a and C5a Receptors on Bronchial Epithelial and Smooth Muscle Cells in Models of Sepsis and Asthma," The Journal of Immunology 166:2025-2032 (2001)	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/655,861
(Use as many sheets as necessary)				Filing Date	September 5, 2003
				First Named Inventor	Yi Wang
				Art Unit	1644
				Examiner Name	Vandervegt, Francois P.
Sheet	2	of	2	Attorney Docket Number	
ALXN-P01-102					

CQ	Frank, "Complement: A Brief Review," J. Allergy Clin. Immunol. 84(4,1):411-420 (1989)
CR	Gerard et al., "Complement in Allergy and Asthma," Current Opinion in Immunology 14:705-708 (2002)
CS	Gloovsky et al., "Is Complement Activation a Factor in Bronchial Asthma?," Int. Arch. Allergy Immunol. 118:330-332 (1999)
CT	Gónczi et al., "The Severity of Clinical Symptoms in Ragweed-allergic Patients is Related to the Extent of Ragweed-induced Complement Activation in their Sera," Allergy 51:1110-1114 (1997)
CU	Holgate et al., "The Bronchial Epithelium as a Key Regulator of Airway Inflammation and Remodelling in Asthma," Clinical and Experimental Allergy 29:90-95 (1999)
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CW	Irvin et al., "Airways Hyperreactivity and Inflammation Produced by Aerosolization of Human C5A des arg 1-3," Am. Rev. Respir. Dis. 134:777-783 (1986)
CX	Jagels et al., "C3a and C5a Enhance Granulocyte Adhesion to Endothelial and Epithelial Cell Monolayers: Epithelial and Endothelial Priming is Required for C3a-induced Eosinophil Adhesion," Immunopharmacology 46:209-222 (2000)
CY	Karp et al., "Identification of Complement Factor 5 as a Susceptibility Locus for Experimental Allergic Asthma," Nature Immunology 1(3):221-226 (2000)
CZ	Kodani et al., "Intratracheal Administration of Anaphylatoxin C5a Potentiates Antigen-induced Pulmonary Reactions Through the Prolonged Production of Cysteinyl-leukotrienes," Immunopharmacology 49:263-274 (2000)
CA1	Larsen et al., "A Differential Effect of C5a and C5a des Arg in the Induction of Pulmonary Inflammation," Am. J. Pathol. 100:179-192 (1980)
CB1	Maruo et al., "Generation of Anaphylatoxins Through Proteolytic Processing of C3 and C5 by House dust Mite Protease," J. Allergy Clin. Immunol. 100:253-260 (1997)
CC1	Mattos et al., "Matrix Metalloproteinase-9 Expression in Asthma," Chest 122:1543-1552 (2002)
CD1	Nagata et al., "Activation of Human Serum Complement with Allergens," J. Allergy Clin. Immunol. 80:24-32 (1987)
CE1	Nagy et al., "The Development of Asthma in Children Infected with <i>Chlamydia pneumoniae</i> is Dependent on the Modifying Effect of Mannose-binding Lectin," J. Allergy Clin. Immunol. 112(4):729-734 (2003)
CF1	Robbins et al., "Complement Activation by Cigarette Smoke," L254-L259 (1990)
CG1	Taube et al., "Inhibition of Complement Activation Decreases Airway Inflammation and Hyperresponsiveness," Am. J. Respir. Crit. Care Med. 168:1333-1341 (2003)
CH1	Teran et al., "Identification of Neutrophil Chemotactic Factors in Bronchoalveolar Lavage Fluid of Asthmatic Patients," Clinical and Experimental Allergy 27:396-405 (1997)
CI1	Varsano et al., "Generation of Complement C3 and Expression of Cell Membrane Complement Inhibitory Proteins by Human Bronchial Epithelium Cell Line," Thorax 55:364-369 (2000)
CJ1	Wang et al., "Amelioration of Lupus-like Autoimmune Disease in NZB/WF1 Mice after Treatment with a Blocking Monoclonal Antibody Specific for Complement Component C5," Proc. Natl. Acad. Sci. USA 93:8563-8568 (1996)
CK1	Wang et al., "Anti-C5 Monoclonal Antibody Therapy Prevents Collagen-induced Arthritis and Ameliorates Established Disease," Proc. Natl. Acad. Sci. USA 92:8955-8959 (1995)
CL1	Wills-Karp et al., "Interleukin-13: Central Mediator of Allergic Asthma," Science 282:2258-2261 (1998)

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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